

**Amended Abstract:**

Most research papers discussing rodent euthanasia with the use of Carbon Dioxide speak of the high level of distress that can be prevalent(3,4,5,6). The narcotic effects of CO<sub>2</sub> are well known but equipment to properly utilize these effects are presently not available(6). The basis of this equipment is to provide narcosis in as gentle a manner possible allowing distress during euthanasia to be absolutely minimized. This is accomplished by providing well controlled flow stages properly utilizing the low level odorless narcotic properties of CO<sub>2</sub> and achieving the correct levels at the correct time intervals.